

Title (en)
OPTIMIZED ENGINE CONTROL WITH ELECTRIFIED INTAKE AND EXHAUST

Title (de)
OPTIMIERTE MOTORSTEUERUNG MIT ELEKTRIFIZIERTEM EIN- UND AUSLASS

Title (fr)
COMMANDE DE MOTEUR OPTIMISÉE AVEC ADMISSION ET ÉCHAPPEMENT ÉLECTRIFIÉS

Publication
EP 3390799 A4 20190814 (EN)

Application
EP 16876575 A 20161214

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• US 201562267045 P 20151214
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• US 2016066636 W 20161214

Abstract (en)
[origin: WO2017106330A2] In one aspect, the teachings presented herein include a power generation system including: a power plant having an air intake and an exhaust outlet; a boost device in fluid communication with the power plant air intake, the boost device being for pressurizing air entering the power plant air intake; a waste heat recovery device in fluid communication with the power plant exhaust outlet, the waste heat recovery device being for recovering energy from exhaust from the power plant; a first motor/generator coupled to the boost device; a second motor/generator coupled to the waste heat recovery device; an energy storage device for storing energy generated by the first and second motor/generators and for delivering power to drive the first motor/generator; a controller for controlling the first and second motor/generators, wherein the controller is configured to control the level of power generated by the waste heat recovery device based on a state of charge of the energy storage device.

IPC 8 full level
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Citation (search report)
• [X] US 2009107142 A1 20090430 - RUSSELL JOHN D [US], et al
• [A] WO 2014165233 A1 20141009 - EATON CORP [US], et al
• [A] GB 2444603 A 20080611 - AERISTECH LTD [GB]
• [A] EP 2799687 A1 20141105 - MITSUBISHI HEAVY IND LTD [JP]
• See references of WO 2017106330A2

Designated contracting state (EPC)
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DOCDB simple family (application)
US 2016066636 W 20161214; CN 201680081567 A 20161214; EP 16876575 A 20161214; US 201616062530 A 20161214